

Mixing valves



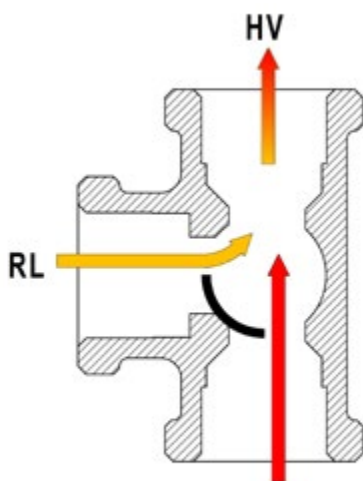
Minimix Maximix

Product description

The 3- and 4-way compact mixing valves Minimix are suitable for small and medium-sized hot water and central heating systems, whereas the mixing valves Maximix for medium-sized and large systems. The valves can be operated manually or set automatically. Equipped with the SM W05 or SM W10 actuator, the valves form a compact unit. Mixing valves housing, cover, switching shaft and cone are made of brass. Specially profiled outlet openings enable linear temperature characteristics. The shaft is sealed with double EPDM O-ring.

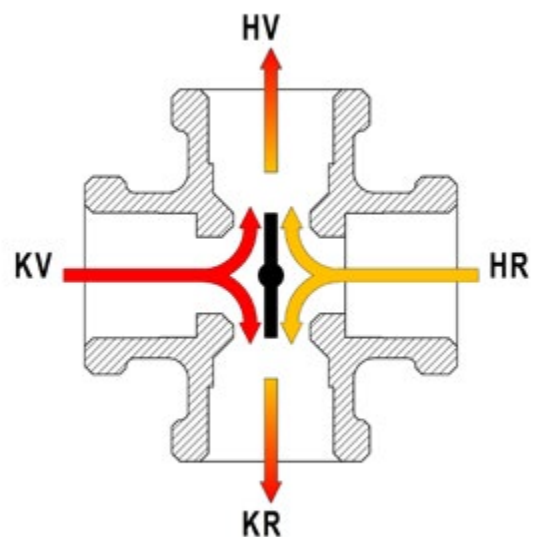
The supply side of the 4-way mixing valve can be changed; the mixing valves can be assembled on manifolds rotated by 45°. The boiler supply is factory set on the left. The 3-way mixing valve can be used for straight passage. The return connection can be placed either on the right or on the left side and is factory set on the left.

3-way mode of operation



The 3-way mixing valve can be used for straight passage. It can be used for both operations - mixing the media and switching the flow. The return connection can be placed either on the right or on the left side and is factory set on the left.

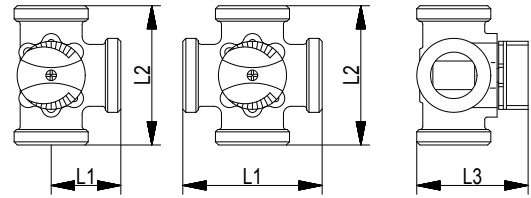
4-way mode of operation







The supply side of the 4-way mixing valve can be changed. While operating in the heating circuit, the supply and the boiler return are mixed with hot water at the same time. Consequently the boiler return temperature increases, which protects the boiler against corrosion. The mixing valves can be assembled on manifolds rotated by 45°. The boiler supply is factory set on the left.

Technical data

| | |
|-------------------------------|---------------------------------|
| Housing | brass MS58 |
| Sealing of stem | double O-ring |
| Torque | Minimix 0.3 Nm |
| Torque | Maximix 0.4 Nm |
| Angle of rotation | 90° |
| Maximum system pressure | 10 bar |
| Maximum operating temperature | 110 °C |
| Pumped medium | water (with max 50 % of glycol) |



| | Minimix | Type of Mixing Valve | Connection Thread | Nominal Diameter | L1 x L2 x L3 | Kvs-value |
|---|---------|----------------------|-------------------|------------------|----------------|----------------------|
|  | | 3-way 1" | 1" Rp x 1 1/2" G | DN 25 | 45 x 90 x 75 | 10 m ³ /h |
| | | 3-way 1 1/4" | 1 1/4" Rp | DN 32 | 45 x 90 x 75 | 15 m ³ /h |
| | | 3-way 1 1/4" | 1 1/2" G | DN 32 | 45 x 90 x 75 | 15 m ³ /h |
| | | 3-way 1 1/4" | 2" G | DN 32 | 45 x 90 x 75 | 15 m ³ /h |
|  | | 4-way 1" | 1" Rp x 1 1/2" G | DN 25 | 90 x 90 x 75 | 10 m ³ /h |
| | | 4-way 1 1/4" | 1 1/4" Rp | DN 32 | 90 x 90 x 75 | 15 m ³ /h |
| Maximix | | | | | | |
|  | | 3-way 1 1/2" | 1 1/2" Rp | DN 40 | 110 x 55 x 85 | 25 m ³ /h |
|  | | 4-way 1 1/2" | 1 1/2" Rp | DN 40 | 110 x 110 x 85 | 25 m ³ /h |

